**Source code for AddingNewProduct:**

1. **com.java**

package com.bean;

import javax.persistence.Entity;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="furniture")

public class Product {

@Id

private int pid;

private String pname;

private float price;

public int getPid() {

return pid;

}

public void setPid(int pid) {

this.pid = pid;

}

public String getPname() {

return pname;

}

public void setPname(String pname) {

this.pname = pname;

}

public float getPrice() {

return price;

}

public void setPrice(float price) {

this.price = price;

}

@Override

public String toString() {

return "Product [pid=" + pid + ", pname=" + pname + ", price=" + price + "]";

}

}

1. **com.controller:**

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.bean.Product;

import com.service.ProductService;

/\*\*

\* Servlet implementation class ProductStoreController

\*/

public class ProductStoreController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ProductStoreController() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

//doGet(request, response);

PrintWriter pw = response.getWriter();

response.setContentType("text/html");

int pid = Integer.parseInt(request.getParameter("pid"));

String pname = request.getParameter("pname");

float price = Float.parseFloat(request.getParameter("price"));

Product p = new Product();

p.setPid(pid);

p.setPname(pname);

p.setPrice(price);

ProductService ps = new ProductService();

String result = ps.storeProduct(p);

pw.print(result);

RequestDispatcher rd = request.getRequestDispatcher("storeProduct.html");

rd.include(request, response);

}

}

1. **com.dao:**

package com.dao;

import java.util.List;

import javax.persistence.TypedQuery;

import org.hibernate.Query;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.cfg.Configuration;

import com.bean.Product;

public class ProductDao {

public int storeProduct(Product product) {

try {

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session = sf.openSession();

Transaction tran = session.getTransaction();

tran.begin();

session.save(product);

tran.commit();

return 1;

} catch (Exception e) {

System.out.println(e);

return 0;

}

}

}

1. **com.service:**

package com.service;

import java.util.Iterator;

import java.util.List;

import com.bean.Product;

import com.dao.ProductDao;

public class ProductService {

ProductDao pd = new ProductDao();

public String storeProduct(Product product) {

if(product.getPrice()<100) {

return "Product price must be > 100";

}else if(pd.storeProduct(product)>0) {

return "Product stored successfully";

}else {

return "Product didn't store id must be unique";

}

}

}

**5.hibrernite.cfg.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="hibernate.connection.driver\_class">com.mysql.cj.jdbc.Driver</property>

<property name="hibernate.connection.password">Vyshi@1432</property>

<property name="hibernate.connection.url">jdbc:mysql://localhost:3306/Product </property>

<property name="hibernate.connection.username">root</property>

<property name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</property>

<mapping class="com.bean.Product"/>

</session-factory>

</hibernate-configuration>

**6.web.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd" id="WebApp\_ID" version="4.0">

<display-name>AddingProducts</display-name>

<display-name>AddingProducts</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>ProductStoreController</display-name>

<servlet-name>ProductStoreController</servlet-name>

<servlet-class>com.controller.ProductStoreController</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ProductStoreController</servlet-name>

<url-pattern>/ProductStoreController</url-pattern>

</servlet-mapping>

</web-app>

**7. index.html:**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<h2>Product Management System</h2>

<a href="storeProduct.html">Add Product</a> !

</body>

</html>

**8. storeProdcut.html:**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<h2>Add Product</h2>

<form action="ProductStoreController" method="post">

<label>PId</label>

<input type="number" name="pid"><br/>

<label>PName</label>

<input type="text" name="pname"><br/>

<label>Price</label>

<input type="number" name="price"><br/>

<input type="submit" value="Save Product">

<input type="reset" value="reset">

</form>

<br/>

<a href="index.html">Main Page</a>

</body>

</html>

**9.pom.xml:**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>AddingProducts</groupId>

<artifactId>AddingProducts</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<build>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<release>18</release>

</configuration>

</plugin>

<plugin>

<artifactId>maven-war-plugin</artifactId>

<version>3.2.3</version>

</plugin>

</plugins>

</build>

<dependencies>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.16</version>

</dependency>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.5.6.Final</version>

</dependency>

</dependencies>

</project>